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PTOISB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number
	Filing Date
	First Named Inventor: Koichi MIKAMI
	Title: <del>PLANAR ANTENNA FITTED</del> WITH A REFLECTOR
	Group Art Unit
	Examiner Name
Attorney Docket Number	

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner named below:

Name

KIRK HAHN

Registration Number

51,763

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Kirk Hahn				
Address	14431 Holt Avenue				
Address					
City	Santa Ana	State	California	Zip	92705
Country	United States of America				
Telephone	714-544-2934	Fax	714-544-2934		

I am the:

☐ Applicant/Inventor

☒ Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTOISB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name	Ichiro TAKIZAWA (President)
Signature	<i>Ichiro Takizawa</i>
Date	December 16, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of 1 are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

10/530135

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PTO/SB/01 (10-01)  
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**DECLARATION FOR UTILITY OR  
 DESIGN  
 PATENT APPLICATION  
 (37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required).

Attorney Docket Number

First Named Inventor

Koichi MIKAMI

**COMPLETE IF KNOWN**

Application Number

Filing Date

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PLANAR ANTENNA FITTED WITH A REFLECTOR

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (MM/DD/YYYY)

06/22/2004

as United States Application Number or PCT International

Application Number PCT/JP2004/008749 and was amended on (MM/DD/YYYY) (if applicable):

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
Japanese Patent Application No. 2003-286502	JAPAN	08/05/2003	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Japanese Patent Application No. 2004-151456	JAPAN	05/21/2004	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## DECLARATION — Utility or Design Patent Application

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Name					
Address					
City		State		ZIP	
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname			
Koichi		MIKAMI			
Inventor's Signature: Koichi Mikami				Date: 12/15/2004	
Residence: City		State		Country	
Warabi-shi		Saitama		JAPAN	
Mailing Address: Warabi-koujyo, 7-4, Kitamachi 4-chome, Warabi-shi, Saitama 335-0001 JAPAN					
City		State		Country	
Warabi-shi		Saitama		JAPAN	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname			
Noboru		MATSUOKA			
Inventor's Signature: Noboru Matsuoka				Date: 12/15/2004	
Residence: City		State		Country	
Warabi-shi		Saitama		JAPAN	
Mailing Address: Warabi-koujyo, 7-4, Kitamachi 4-chome, Warabi-shi, Saitama 335-0001 JAPAN					
City		State		Country	
Warabi-shi		Saitama		JAPAN	
<input type="checkbox"/> Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

COPY

ASSIGNMENT

(1-5) Insert Name(s) of Inventor (s)

(1) Koichi MIKAMI

(2) Noboru MATSUOKA

(3) \_\_\_\_\_

(4) \_\_\_\_\_ and

(5) \_\_\_\_\_

In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(6) Insert name of Assignee (6) Nippon Antena Kabushiki Kaisha

(7) Insert address of Assignee (7) of 49-8, Nishiogu 7-chome, Arakawa-ku, Tokyo 116-0011 Japan  
(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(8) Insert Title of Invention (8) PLANAR ANTENNA FITTED WITH A REFLECTOR

\_\_\_\_\_

\_\_\_\_\_

for which the undersigned has (have) signed an application for patent in the United States of America

(9) Insert Date of Signing of Application (9) on \_\_\_\_\_

(10) Alternative identification for filed applications (10) U.S. application Serial No. \_\_\_\_\_  
filed \_\_\_\_\_

# COPY

- 1) The undersigned agree(s) to sign all papers necessary in connection with the application and any continuing or divisional application thereof and also to sign separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to sign all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to sign all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire right, title and interest, and hereby covenants that he (she) has (they have) full right to convey the entire right, title and interest herein assigned, and that he (she) has (they have) not signed and will not sign, any agreement in conflict therewith.
- 6) The undersigned hereby grant(s) the firm of \_\_\_\_\_  
\_\_\_\_\_ the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United states patent Office for recordation of this document.

In witness whereof, signed by the undersigned on the date(s) opposite the undersigned name(s).

Date 12/15/2004 Signature Of Inventor Koichi Mikami  
Koichi MIKAMI

Date 12/15/2004 Signature of Inventor Noboru Matsuoka  
Noboru MATSUOKA

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

# COPY

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A., or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date 12/15/2004 Witness Takashi Shirai  
Takashi SHIRAI

Date 12/15/2004 Witness Katsumi Anzai  
Katsumi ANZAI